Southern Gun Company

VER 4
2011

# OPERATION AND SAFETY MANUAL

# LEVER RELEASE CARBINE CAL 9mm x 19mm

**THIS OPERATOR AND SAFETY MANUAL SHOULD ALWAYS ACCOMPANY THIS FIREARM , AND SHOULD BE TRANSFERRED WITH IT UPON CHANGE OF OWNERSHIP**

## WARNING:

**BEFORE USING THIS FIREARM ASSEMBLY READ THIS OPERATORS MANUAL AND FOLLOW THE INSTRUCTIONS**


**SOUTHERN GUN COMPANY LTD**

Tel: **01208 851074** or **01208 850823** Fax: **01208 850860**

International Tel: **+44 1208 851074** or **+44 1208 850823** Fax: **+44 1208 850860**

# WARNING!

**THE SGC 9mm LEVER RELEASE CARBINE HAS UNIQUE FEATURES THAT REQUIRE SPECIAL INSTRUCTIONS AND WARNINGS BEFORE SAFE USE. FAILURE TO STRICTLY FOLLOW THE INSTRUCTIONS AND WARNINGS CONTAINED IN THIS OPERATOR AND SAFETY MANUAL COULD RESULT IN SERIOUS BODILY INJURY OR DEATH TO THE OPERATOR OR OTHERS AND DAMAGE TO PROPERTY.**

**READ AND STUDY THIS MANUAL CAREFULLY AND ENSURE THAT YOU HAVE RECEIVED SAFETY TRAINING FROM AN NRA RECOGNIZED AND COMPETENT FIREARMS INSTRUCTOR OR FIREARMS TRAINING ORGANIZATION BEFORE HANDLING OR USING THIS SGC 9mm LEVER RELEASE CARBINE.**

**SOUTHERN GUN CO LTD SHALL NOT BE LIABLE FOR ANY INJURY, DEATH OR DAMAGE TO PROPERTY RESULTING FROM THE USE OR MISUSE OF THE SGC MODEL 1 CARBINE.**

**THIS OPERATORS AND SAFETY MANUAL SHOULD BE KEPT WITH THE FIREARM AT ALL TIMES AND SHOULD BE TRANSFERRED WITH THE POSSESSION OF THE FIREARM TO ANY SUBSEQUENT OWNER OR OPERATOR.**

**ALWAYS REMEMBER TO KEEP FIREARMS AND AMMUNITION SAFELY STORED AND OUT OF SIGHT OF CHILDREN AND UNAUTHORIZED PERSONS.**

**SOUTHERN GUN CO LTD RECOMMENDS THE EXCLUSIVE USE OF ORIGINAL, HIGH-QUALITY, COMMERCIALLY MANUFACTURED AMMUNITION IN GOOD CONDITION THAT IS APPROPRIATE TO THE CALIBER OF THE CARBINE. SOUTHERN GUN CO LTD DOES NOT RECOMMEND THE USE OF REMANUFACTURED AMMUNITION AND DOES NOT RECOMMEND THE USE OF HAND-LOADED AMMUNITION. THE USE OF HAND-LOADED AMMUNITION WILL EXPRESSLY INVALIDATE THE WARRANTY.**

**SHOULD YOU HAVE ANY QUESTIONS PERTAINING TO THIS OPERATION AND SAFETY MANUAL, CONTACT THE CUSTOMER SERVICE CENTER AT SOUTHERN GUN CO LTD. BY CALLING +44 1 208 851074 BETWEEN THE HOURS OF 9:00 AM TO 5:00 PM EST MONDAY THROUGH FRIDAY.**

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## 1.1 ABOUT THIS MANUAL

The purpose of this manual is to provide instruction on the safe operation, detail maintenance procedures and provide general information for the SGC 9mm LEVER RELEASE CARBINE. Thoroughly read this manual prior to operating your weapon and follow all safety rules and procedures outlined within. Ensure you also observe all Firearms Laws when possessing, transporting, or operating your weapon.

By following the operating and maintenance procedures outlined in this manual you will ensure proper and safe functioning of your SGC 9mm LEVER RELEASE CARBINE

## 1.2 GENERAL CAUTIONS

**THESE SAFETY RULES ARE OF A GENERAL NATURE ONLY AND ARE NOT INTENDED TO BE COMPREHENSIVE, EXHAUSTIVE OR A SUBSTITUTE FOR PROFESSIONAL FIREARMS TRAINING FROM AN NRA RECOGNIZED AND COMPETENT FIREARMS INSTRUCTOR OR FIREARMS TRAINING ORGANIZATION.**

**ALWAYS KEEP THE FIREARM POINTING IN A SAFE DIRECTION.** Firearms must always be treated as if they are loaded. Do not point the muzzle of the firearm in the direction of anything you do not wish to kill or destroy. **Do not rely on the safety mechanism.** The firearm is safe only as long as you use it safely and responsibly. **Safety depends on you!**

**NEVER LOAD A ROUND INTO THE CHAMBER OF THE FIREARM UNTIL YOU ARE READY TO FIRE. ONLY LOAD A ROUND INTO THE CHAMBER OF THE FIREARM WHEN YOU HAVE ASSUMED A STABLE SHOOTING POSITION AND THE MUZZLE IS POINTED IN A SAFE DIRECTION.**

**NEVER WALK WITH A LOADED FIREARM, PLACE A LOADED FIREARM IN A VEHICLE, STORE A LOADED FIREARM OR LEAVE A LOADED FIREARM UNATTENDED.** Firearms have been known to accidentally discharge when they have been dropped or struck. Unattended firearms may be stolen or may be accidentally discharged by a third party.

**NEVER PLACE YOUR FINGER ON THE TRIGGER OR INSIDE THE TRIGGER GUARD UNTIL YOU ARE READY TO FIRE.** Before placing your finger on the trigger of the firearm or within the trigger guard, be sure that you are in a stable shooting position, have the muzzle pointing in a safe direction and your sights are aligned with your intended target.

**ALWAYS ASSUME A STABLE SHOOTING POSITION AND CLEARLY IDENTIFY YOUR TARGET AND BACKSTOP BEFORE SQUEEZING THE TRIGGER.** Rifle cartridges are very powerful, have substantial range and can penetrate hard objects such as walls and metal. Before you squeeze the trigger it is essential that you clearly identify your target and have a backstop behind the target that will stop a rifle bullet.

## 1.2 GENERAL CAUTIONS cont'd.

**Never shoot at hard objects or water that may cause projectiles to ricochet leading to death, serious injury or damage to property.**

**ALWAYS WEAR ADEQUATE EYE AND EAR PROTECTION WHILE SHOOTING.** Firearms when discharging are extremely loud and eject hot spent cartridges, gases and particles. Operators and bystanders

are strongly advised to wear adequate eye and ear protection at all times while shooting to avoid permanent vision and hearing loss. Damage to hearing is cumulative!

**NEVER DROP THE FIREARM OR ALLOW THE MUZZLE TO STRIKE HARD OBJECTS.** Sharp blows may cause the firearm to discharge accidentally or damage it making it unsafe for use.

**Always unload the firearm and inspect the bore for damage or obstruction after dropping the firearm. Never shoot a firearm with an obstructed bore or visible damage. If unsure as to the condition of a firearm, have it examined by a competent gunsmith before shooting.**

**ALWAYS UNLOAD A FIREARM WHEN YOU HAVE FINISHED SHOOTING.** While unloading, always keep the muzzle pointing in a safe direction, remove the magazine, empty the chamber and then visually inspect the chamber and receiver to ensure that the weapon is actually empty.

**NEVER USE A FIREARM AFTER YOU HAVE CONSUMED ALCOHOL OR IF YOU ARE TAKING DRUGS OR MEDICATIONS WHICH COULD ALTER OR IMPAIR YOUR VISION, PHYSICAL RESPONSES OR JUDGEMENT.**

**ALWAYS STORE YOUR FIREARMS UNLOADED AND IN A SAFE PLACE OUT OF SIGHT AND REACH OF CHILDREN AND OTHER UNAUTHORIZED PERSONS.** It is your sole responsibility to ensure that children and unauthorized persons do not have access to your firearms and are safely stored out of sight and in a secure place.

## 1.3 GENERAL SAFETY PROCEDURES

Whenever handling any weapon, clear it as soon as you pick the weapon up (refer to clearing procedures).

Whenever handing over your weapon to another person, clear the weapon first and hand it over with the bolt locked to the rear by the bolt catch. When receiving a weapon from another person insist that they clear it and lock the bolt to the rear before accepting the weapon. Check the chamber to ensure the weapon is clear when you accept the weapon.

Always ensure you are firing the correct caliber ammunition through your weapon. To ensure proper function and safety Southern Gun Co Ltd recommends using only factory loaded ammunition that complies with the Sporting Arms and Ammunition Manufacturer's Institute (SAAMI), NATO, or Ammo loaded to U.S. Military specifications for the SGC 9mm Lever Release Carbine. Southern Gun Co Ltd will not guarantee either safety or performance when utilizing re-loaded or surplus ammunition.

Check your carbines bore to ensure it is free from obstructions before firing. In the event that the weapon is dropped or the muzzle touches the ground, unload and ensure the bore is free from obstruction.

Prior to firing your weapon, know your intended target and what lies beyond. Ensure that there is an adequate backstop or open space free from people or any other unintended targets prior to shooting. Never shoot at water or hard objects as ricochets will occur and pose a safety hazard to property, people in the vicinity, or the shooter.

Be aware of where your weapon's muzzle is pointed at all times and NEVER flag (point your muzzle at) any person or unintended target regardless of the status of the weapon. When not being carried on the range your weapon should be placed in Range Safe condition with the muzzle facing down range ejection port up, the bolt locked to the rear and selector on safe. No weapon should be handled regardless of status while people are down range. Observe all rules of the range you are firing on.

Weapons should be stored unloaded, and in a locked case or other secure area.

Always use hearing and eye protection when shooting any firearm.

Be familiar with your weapon and its features, controls and operating procedures prior to shooting.

Completely read this manual prior to operating your weapon.

## 1.4 WEAPON CONDITIONS

**Condition 4:** Bolt forward on an empty chamber, no magazine inserted, and selector lever on safe.

**Condition 3**: Bolt forward on an empty chamber, magazine inserted, and selector lever on safe.

**Condition 2**: Bolt rearward on an empty chamber, loaded magazine inserted, and selector lever on safe.

**Condition 1**: Bolt forward with a round chambered, Loaded magazine inserted, and selector lever on fire.

**Range Safe:** Bolt locked to the rear, no magazine inserted, and selector lever on safe.

**NEVER ALLOW YOUR FINGER'S OR ANY OTHER PART OFF YOUR BODY TO ENTER THE EJECTION PORT IN FRONT OF THE BOLT**

## 1.5 SPECIFICATIONS

This carbine features a unique operating system, unlike any other weapon built, by introducing a manual input by the shooter after the round is fired and the cartridge case ejected. This input is the operation in a downward direction of the lever located on the left hand side of the carbine, which allows the bolt carrier to return forward, collecting a round of ammunition and loading same in the chamber, the rearward motion of the carrier on firing cocks the hammer for the next round.

The carbine is designed to be shot and will continue to provide reliable service for as long as the firearm is used no matter how many rounds are fired in any one firing session. One of the attributes of the design is easy maintenance however, we recommend that the operating parts be inspected, cleaned and lubricated as required after each such use in line with the maintenance schedules contained in this manual.

While the carbine can and will take abusive use, it should be noted that continued abuse does not come without penalty. The operating life of component parts may be reduced as a result of neglect.

## 1.6 SYSTEM DATA

| | |
|---|---|
| Weight (unloaded w/o accessories) | 8.2 pounds |
| Operating System | Lever release loading, blowback ejection |
| Barrel Length | 13.25” |
| Rifling | Six Lands & Grooves 1:16 Right Hand Twist |
| Caliber | 9mm X 19mm NATO |
| Muzzle Velocity S&B 115 GRAIN FMJ | 1250 fps |
| | |
| | |
| Point Target Max Range | 200 meters |
| Area Target Max Range | 600 meters |

## 1.8 METHOD OF OPERATION

The method of operation is described here briefly: The charging handle is pulled fully to the rear, and the bolt is engaged by the main bolt sear. A magazine is inserted into the firearm and by depressing the side lever so releasing the main bolt sear, a cartridge is loaded into the chamber by the forward movement of the bolt, the rearward movement of the bolt has cocked the hammer which is held in place by the trigger sear. The action of squeezing the trigger releases the sear engagement on the hammer and the hammer rotates forwards and upwards under the power of its spring, the hammer contacts the back of the firing pin which is contained within the bolt and the firing pin is forced forwards transferring its energy against the cartridge primer causing it to ignite. The ignition of the primer causes the propellant powder within the cartridge case to start to burn and this process creates high-pressure gases that, due to their rate of expansion, force the bullet out of the mouth of the case and down the bore of the firearm.

As the bullet starts in the barrel, pressure of the propellant gases acts against the base of the cartridge and impinge directly on the bolt, the increasing pressure of which eventually overcomes the resistance of the operating spring of the firearm and pushes the bolt carrier to the rear.

The extractor claw of the bolt is engaged in the extractor groove of the empty cartridge case and the rearward movement of the bolt carrier pulls the case from the chamber. As the mouth of the cartridge case passes the ejection port on the right side of the firearm, the fixed post ejector impacts against the base of the cartridge and rotates it around the extractor claw ejecting it from the firearm through the ejection port. The bolt assembly continues its rearward motion and rotates the hammer backwards and downwards against the action of its spring and into engagement with the trigger disconnector.

The rearward movement of the bolt group is overcome by the compression of the action spring and the group is held to the rear by the main bolt sear. Releasing this sear by means of the side lever allows the release off the stored energy which thrusts the bolt forward and as the bolt passes over the rear of the magazine, a new cartridge is stripped by the bolt and directed into the chamber of the firearm. At the same time, the extractor claw engages in the extractor groove of the cartridge case. The forward movement of the bolt is arrested by the back of the barrel.

The disconnector of the trigger catches the hammer so that it cannot rotate forwards. When the trigger is released, the disconnector disengages the hammer allowing it to be caught by the trigger sear. The firearm has completed a cycle and ready to be fired again by squeezing the trigger.

## 1.9 CONTROLS

**Charging Handle:** The carbine is equipped with an alloy non-reciprocating top charging handle similar to that of the M4/M16 allowing the user to charge the weapon with either his/her dominant or non-dominant hand. The charging handle is grasped with the index and middle fingers on either side. On pulling, the charging handle latch will automatically disengage from the receiver.

**Lever release:** The lever release is part of the lower receiver, and it is necessary to understand its operation. The lever release is positioned on the left hand side of the lower receiver. To apply the main bolt sear, the user retracts the bolt as far as it will go to the rear using the charging handle, until the sear engages, then return the charging handle forward until locked. To disengage the carrier sear, apply downward pressure to the serrated upper half of the release lever. This will allow the bolt carrier to travel forward into battery.

**DO NOT ATTEMPT TO HOLD DOWN OR 'RIDE' THE LEVER DURING THE FIRING CYCLE, THIS WILL RESULT IN DAMAGE TO THE SEAR SURFACES AND AN INOPERATIVE RIFLE.**

**CAUTION: Disengaging the main bolt sear with a loaded magazine in place will load the weapon.**

**Magazine Release:** The magazine release is on the right side of the lower receiver in alignment with your trigger finger. Pressing the magazine release will allow the magazine to drop free of the weapon.

**CAUTION: Removing the magazine does not make the weapon safe; refer to clearing instructions to remove the live round from the chamber. All lever release carbines can fire from closed bolt magazine removed.**

**Ejection Port Cover: (If fitted)** The user can manually close the cover to prevent dirt and debris from entering the action of the weapon. The cover opens automatically on firing or cycling the action.

## 2.2 CLEARING A LOADED WEAPON (CONDITION 1)

1. Ensure the muzzle remains pointed in a safe direction.

2. Remove the magazine (if present) by depressing the magazine release and ejecting the magazine.

3. Grasp the charging handle and, ensuring that you are depressing the charging handle latch, pull it firmly to the rear until the main bolt sear engages.

4. Maintain the charging handle to the rear

5. Visually inspect the chamber to ensure there are no rounds or shell casings present (in low light conditions it may be necessary to physically inspect the chamber).

6. Once you have determined the weapon to be clear of ammunition move the charging handle forward about an inch & depress the side lever to send the bolt forward (maintaining rearward pressure on the charging handle will allow the bolt to move forward slowly preventing breechface damage)

7. Close the ejection port cover and ensure the selector lever is on safe.

## 2.3 PRE-FIRE FUNCTION TEST

**The user should always complete a pre-fire function test of the action and fire control group before using the weapon and any time the weapon has been disassembled and reassembled.**

1. Ensure weapon is clear and in Condition 4 prior to performing functions check.

2. Insert an empty magazine fully into the magazine well and pull downward. The magazine should remain locked into the magazine well.

3. Grasp the charging handle and, ensuring that you are depressing the charging handle latch, pull it firmly to the rear until the main bolt sear engages, maintain at rear.

4. Move the charging handle forward about an inch and maintaining hold, depress the side lever to send the bolt forward, 'catch' the bolt and allow its controlled forward movement into battery.

5. With the selector lever on "SAFE" depress the trigger. The hammer should not fall.

6. Rotate the selector lever to "SEMI" and depress the trigger. The hammer should fall

7. Continue holding the trigger while charging the weapon again. Release the trigger and you should hear a click as the disconnector disengages. The hammer should remain cocked.

## 2.4 PRE-FIRE INSPECTION

**Perform the following inspection prior to each firing session. Start your PFI with a Condition 4 weapon.**

1. Break your weapon down "shotgun style" by pulling out the rear take down pin and rotating the lower receiver down from the upper receiver.

2. Remove the bolt by pulling the charging handle back approximately one inch and grasping the rear of the bolt and pulling it to the rear and down.

3. Inspect the bolt ensuring the following; the firing pin retainer is fully seated in its hole. Ensure the firing pin hole is unobstructed and the firing pin is properly installed (tap the bottom of the bolt carrier firmly against the palm of your hand the firing pin should stay in place).

4. Visually inspect the bore of the weapon to ensure it is unobstructed (in low light conditions physically inspect the bore by passing a cleaning rod through it).

5. Re-assemble the weapon by pulling the charging handle half way back, place the carrier key in the slot in the bottom of the charging handle and slide the bolt fully forward into the upper receiver assembly. Rotate the lower receiver back up to the upper receiver and press in the take down pin.

6. Inspect the weapon's magazines for the following: Ensure the magazines are clean and not dented (particularly the feed lips). Ensure the magazine follower move freely within the magazine body and returns under its own spring tension without binding. Do not oil or otherwise lubricate magazines. Only use magazines specifically designed to be used in this carbine.

7. Inspect the ammunition prior to firing. Ensure ammunition is factory manufactured in compliance with SAAMI and or U.S. MIL-Spec/STANAG specifications. Ensure ammunition is the correct caliber for the weapon. Ensure ammunition is clean. Do not oil or otherwise lubricate ammunition. Do not overload magazines.

8. Put the weapon in Condition 4 or Range Safe status.

## 2.5 LOADING WEAPON FROM CONDITION 4

1. Insert a loaded magazine firmly into the magazine well.

2. Ensure the magazine is fully seated by tugging on it.

3. Charge the weapon by firmly pulling the charging handle to the rear and depress the side lever.

4. Rotate the selector to "SAFE". If not immediately firing the weapon close the ejection port cover

## 2.9 IMMEDIATE AND REMEDIAL ACTIONS

**Immediate action is defined as the prompt action taken by the operator to reduce a stoppage without investigating the cause. A stoppage is defined as any interruption in the cycle of operation.**

1. Maintain the weapon pointed down range.

2. Attempt to place the weapon on "SAFE."

3. Ensure the magazine is fully seated.

4. Pull the charging handle to the rear observing for ejection.

5. If the weapon ejected a casing or round depress the side lever, sight in and continue engaging the target.

6. If the weapon did not eject a casing or live round apply remedial action.

**Remedial action is defined as the actions taken by the operator to remedy a malfunction. A malfunction is defined as a failure of the weapon to operate as designed.**

1. Lock the bolt to the rear and place the weapon on "SAFE."
2. Eject the magazine.
3. Inspect the chamber to ensure there are no remaining casings or rounds.
4. Inspect the magazine to ensure that it is free of debris and the ammunition is properly loaded.
5. Make the weapon Condition 1 and continue as required.

## 3.0 DISASSEMBLY (FIELD STRIP)

**<u>Frequency</u>: The weapon should be disassembled to its major groups and assemblies when conducting routine operator level maintenance. For convenience the upper receiver can remain connected to the lower receiver (weapon broken down "shotgun style") during routine operator level maintenance.**

1. Clear the weapon (refer to Section 2.2 of this manual) and ensure the weapon is in Condition 4.

2. Pull out the rear take down pin by pushing from the right side of the receiver to start the pin then pull from the left.

3. Rotate the lower receiver downward 90 degrees to the upper receiver.
4. Remove the bolt by pulling back half way on the charging handle then pull backwards and down on the bolt carrier assembly.

5. Remove the charging handle by pulling to the rear then downward. Make note of where the lugs on the forward part of the charging handle mate with the recess inside the upper receiver for re-assembly.

6. The weapon is now field stripped.

## 3.2 ASSEMBLY

**Assembly of the weapon is accomplished by reversing the disassembly steps. During reassembly take note of the following:**

1. When reinstalling the buffer and buffer spring push the buffer fully past the buffer detent and ensure it is captured behind the detent.

2. When reinstalling the extractor, line up the holes by pressing <u>firmly</u> on the center of the extractor while reinstalling the extractor pin.

3. While reinstalling the firing pin retaining pin ensure the firing pin is fully forward and the firing pin retaining pin is installed from left to right when looking from the rear of the weapon.

4. When reinstalling the bolt, ensure that the charging handle is half way inserted prior to inserting the bolt into the upper receiver.

5. When closing the upper and lower receiver rotate the lower receiver to the upper receiver until contact is made. Then push the rear take down pin all the way into the lower receiver.

## 4.3 SPECIAL COLD WEATHER CONSIDERATIONS

Keep weapons at ambient outdoor temperature whenever possible and use an arctic rated lubricant.

If weapons must be brought into a warm area, allow weapons to warm up to the room temperature, detail disassemble and perform detailed maintenance. Pay particular attention to removing all condensation from weapon before going back into cold temperatures.

If weapon is dropped in the snow clean it immediately. At a minimum break the weapon down shotgun style and remove any snow from the upper receiver and bolt carrier.

If your weapon does freeze shut DO NOT FIRE IT to un-jam the weapon. Warm weapon with body heat or a camp stove (hold weapon at least eight inches above flame and remove magazine prior to warming) until un-jammed then clean or fire immediately.

## 4.4 LUBRICANTS AND CLEANERS

The weapon is compatible with all standard U.S. Military and NATO specified small arms lubricants and cleaners. The manufacturer does not specifically recommend one brand over another. If changing from one lubricant to another clean off old lubricant by scrubbing parts with solvent or Simple Green.

**Lubrication Terms:**

**Light Coat:** A light coat of lubricant is not readily visible to the eye. Apply lubricant and wipe off excess with a clean cloth.

**Moderate Coat:** A moderate coat of lubricant should be just visible to the eye. Apply lubricant directly to part and spread or apply with a brush, cloth or finger. ( For all internal parts )

**Point Lubrication:** Lubrication applied to pivot points or recessed parts. Apply a couple of drops to the pivot point and work part back and forth to distribute lubricant. ( Use moly grease for sear engagement points )

## 4.5 QUICK RELEASE HANDGUARD (OPTION) MAINT AND NOTES

There is no required handguard maintenance other than protecting the Picatinny rail sections that remain exposed to damage with a rail or ladder panel. The handguards are set up to use the USGI issue rail panels by Knight's Manufacturing. Any Picatinny 1913 standard rail panel will work.

The manufacturer presets the tension on the latching lever and locking button. It is not advised that you remove these components unless you have significant reason to do so.

## 5.0 TROUBLESHOOTING

**NOTE: When shooting with a silencer or suppressor please note the following:**

1. Follow the Manufactures instructions for mounting/dismounting the suppressor and for its care and use.

2. Use a suppressor designed for the same caliper of weapon.

3. Ensure the suppressor is firmly attached prior to use.

4. **NOTE: Gas debris will increase.**

5. **NOTE: The weapon shall require an increase in lubrication and cleaning.**

| ***Failure to Load*** | |
|---|---|
| CAUSE | CORRECTION |
| Bent/damage magazine feed lips or Worn/Weak magazine feed spring | Inspect magazine and replace as necessary |
| Worn out/under powered action spring | Replace spring |
| Under powered ammunition (Cause- Short Stroke) | Use SAMI or NATO Spec. Ammunition |
| Leading of feed ramps from use of Non-FMJ (Full Metal Jacket) ammunition | Disassemble and clean feed ramps and use jacketed ammunition |

| ***Failure to Close*** | |
|---|---|
| CAUSE | CORRECTION |
| Wrong ammunition for chamber | Use proper SAMI/ NATO Spec. Ammunition |
| FOD (Foreign Object Detected) in chamber or barrel extension | Disassemble and clean rifle |
| Ammunition defective/damaged or out of specification | Inspect all ammunition prior to use and ensure SAMI/NATO compliant |
| Weak/worn action spring | Replace spring |

| ***Failure to Fire*** | |
|---|---|
| CAUSE | CORRECTION |
| Defective ammunition/dead primer | Inspect all ammunition prior to use and ensure SAMI/NATO compliant |
| Broken/weaken hammer spring | Return to SGC |
| FOD (Foreign Object Detected) in Pin Channel (Fire Control Group) | Disassemble and clean |
| Worn Firing Pin | Replace firing pin |

| ***Failure to Extract*** | |
|---|---|
| CAUSE | CORRECTION |
| Worn/Broken extractor/spring | Replace extractor/spring |
| Corroded/Out of specification ammunition | Inspect all ammunition prior to use and ensure SAMI/NATO compliant |
| | |
| Torn case rim | Defective ammunition or dirty chamber – clean chamber and inspect ammunition |

| ***Failure to Eject*** |
|---|

| CAUSE | CORRECTION |
|---|---|
| Worn ejector | Return to SGC |
| Short stroke/Double feed | Inspect all ammunition prior to use and ensure SAMI/NATO compliant |
| | |
| Torn case rim | Defective ammunition or dirty chamber – clean chamber and inspect ammunition |
| ***Failure to Cock*** | |
| CAUSE | CORRECTION |
| Worn disconnector &/or spring | Return to SGC |
| Worn hammer &/or spring Short stroke/Double feed | Return to SGC |
| Worn trigger &/or spring | Return to SGC |
| FOD (Foreign Object Detected) lodged in Fire Control Group | Return to SGC |

## WARRANTY

**Southern Gun Co Ltd products are warranted to be free from defective material and workmanship for life from the date of delivery to and for the original purchaser.**

**Southern Gun Co Ltd obligations under this warranty shall be limited to (1) repairing or (2) replacing any product that upon inspection at Southern Gun Co Ltd and based on its discretion, is found to defective in material or in workmanship. This warranty is limited and does not extend to: careless handling, abuse and misuse, unauthorized adjustments or modifications, use of improper ammunition, excessive or unreasonable use, ordinary wear & tear, rust or corrosion, and barrel obstruction. Repairs are warranted for the duration of the original warranty and apply only to factory built products.**

**Exclusive Remedy: The remedies in this section and in the warranty agreement constitute the sole and exclusive remedies of any authorized customer, as well as its successors and assigns, for any defect in the product.**

**Disclaimer: The warranty stated in this agreement is the sole and exclusive warranty pertaining to the product. Southern Gun Co Ltd disclaims any warranty express or implied, including, without limitation, any warranty of merchantability or fitness for a particular purpose. In no event shall Southern Gun Co Ltd be responsible for any indirect, incidental or consequential damages including, without limitations, lost profits, costs of delay, with respect to economic loss or injury to property or to third parties, whether as a result of breach of express or implied warranty, negligence or otherwise.**

**Prior to returning any Southern Gun Co Ltd product for warranty work, you must receive return material authorization (RMA) from our customer service department. The contact information is shown at the beginning of this manual. Items must be returned prepaid to the address shown below. Southern Gun Co Ltd accepts no responsibility for items lost or damaged in shipping.**

**Items that are returned and found to be Out-of-Warranty will be repaired at the customer's expense; however, no work will be performed without the customer's written authorization.**

# NOTES

**9mm LEVER SERIES PATENTS PENDING**

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